

DEPARTMENT OF
DEFENSE, VETERANS AND EMERGENCY MANAGEMENT
Military Bureau
Headquarters, Maine National Guard
Camp Keyes, Augusta, Maine 04333-0033

3 November 2015

TECHNICIAN POSITION VACANCY ANNOUNCEMENT #15-129

POSITION: Fuel Distribution Systems Mechanic (D2143000) (WG-4255-10)
EXCEPTED POSITION

LOCATION: 101st Civil Engineer Squadron, Bangor, Maine

SALARY RANGE:

\$45,768 to \$53,448 per annum WG-10

CLOSING DATE: 18 November 2015

AREA OF CONSIDERATION:

AREA I: All permanent and indefinite Enlisted Technicians in the Maine Air National Guard.

AREA II: All Enlisted Members of the Maine Air National Guard.

DUTIES: See attached duties and responsibilities.

GENERAL EXPERIENCE: Experience or training demonstrating knowledge of hydraulics, fluids, gases and mechanics as applied to fuel systems and components repair techniques. Experience using tools and equipment associated with the trade and reading and interpreting directions.

SPECIALIZED EXPERIENCE: Must have eighteen (18) months experience for the WG-10 level, which required the applicant to acquire and apply each of the following knowledge, skills, and/or abilities:

WG-10

1. Knowledge of preventive maintenance and inspection techniques as applied to fuel distribution and storage systems.
2. Skill in techniques used to measure, cut, thread, join, and fit piping and tubing.

3. Knowledge of the troubleshooting, maintenance, and repair of electrical components such as electric motors, disconnect switches, starters, contactors, solenoids, and magnetic switches.
4. Knowledge of Fuel Distribution and fuel storage systems.
5. Knowledge and understanding of the physical properties and hazards associated with the handling of various types of petroleum fuels.
6. Knowledge and ability to plan and layout the installation and modification of fuel distribution systems and equipment and to interpret and apply plans, blueprints, and schematics.
7. Skill to troubleshoot, maintain, repair and replace defective equipment and components, motors, relays, solenoids, switches, safety devices and other similar devices.

OTHER REQUIREMENTS: For positions requiring the operation of motor vehicles, candidates must have a valid state driver's license for the state in which they live or are principally employed.

COMPATIBILITY CRITERIA: 3E4X1

HOW TO APPLY: Detailed instructions are contained in an Instruction Guide titled "Technician Vacancy Announcement Guide" which should be posted with this vacancy announcement. Applicants may apply using the OF Form 612 Optional Application for Federal Employment, a resume, or any other format they choose. In addition to their basic application, applicants are strongly encouraged to complete ME Form 171, Military Experience and Training Supplement. Applications forwarded to HRO should be no more than eight (8) pages although additional pages may be submitted as necessary. Applications should include written or documented proof of education, training, and work experience deemed necessary to adequately respond to general and specialized experience factors listed in the TPVA. Professional licenses or education transcripts necessary to validate qualifications should be submitted as required in the TPVA. Do not include photo copies of awards (a military ribbon rack or civilian certificate), letters of commendation, enlisted or officer performance reports, Technician performance appraisals, and personal photos unless specifically requested in the TPVA". Applications must be forwarded to: Joint Force Headquarters, ATTN: HRO, Camp Keyes, Augusta, Maine 04333-0033, NOT LATER THAN the closing date. Applications received AFTER the closing date WILL NOT BE CONSIDERED. The use of government envelopes, postage or facsimile machines to submit applications is prohibited. We are allowed to receive facsimiles sent from non-government facsimile machines. The inter-office distribution system may be used. You may also e-mail it to: ng.me.mearng.list.hro-applications@mail.mil.

APPOINTMENT: Selectee will be required to participate in Direct Deposit/Electronic Funds Transfer as a condition of employment. The Adjutant General retains exclusive appointment authority for Technicians. No commitment will be made to any nominee prior to a review of qualifications by this office. The Maine National Guard is an Equal Opportunity Employer. All appointments and promotions will be made without regard to race, color, creed, sex, age or national origin.

DISSEMINATION: Supervisors/Commanders please post to bulletin boards, read at unit formations and notify personnel who may be interested. Qualified personnel who may be absent during this announcement period due to ADT, AT, TDY, school, illness, etc., should be notified

WORK: DSN 626-6013/COM (207) 430-6013 FAX: DSN 626-4246/COM (207) 626-4246

FOR THE HUMAN RESOURCES OFFICER:

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LISA M. SESSIONS
MAJ AG
Human Resources Specialist
(Recruitment & Placement Compensation)

D2143000

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This position is located in a Civil Engineer Squadron, Mission Support Group, Air National Guard Wing. The primary purpose of this position is to maintain, inspect, install, replace and modify liquid fuel storage and fuel distribution systems and their electrical components for Real Property Installed Equipment (RPIE) for Civil Engineer (CE) functions on the installation or any assigned Geographical Separated Units (GSUs).

b. DUTIES AND RESPONSIBILITIES:

(1) Inspects and tests fuel receiving, storage, and distribution facilities and performs preventive maintenance on fuel systems and components. Inspects fuel tanks and vents for proper ventilation. Checks interior and exterior of tanks for corrosion, leakage, contamination, and sludge and correct operation of roof sumps, roof seals, liquid level gauges, product recovery systems, etc., and inspects gauging equipment for calibration. Performs corrosion control on exposed piping. Performs ground resistance tests and pressure checks system to identify leaks. Checks pumps for unusual noise, vibration, and proper operation. Performs hydrostatic tests on hoses. Tests and calibrates fuel flow meters, and checks manual and diaphragm valves for proper operation. Conducts diagnostic checks on sensors, alarm components, and emergency shutoffs. Inspects tank cleaning equipment such as portable pumps, respirators, air lines, harnesses, hoses, and compressors. Inspects entire fuel distribution system and components to detect possible explosive and toxic hazards and system deficiencies.

Conducts follow-up inspections of contractor and in-house repairs. Maintains records of inspections, maintenance, and repairs, as required.

(2) Performs all phases of liquid fuel system and component maintenance including preventive maintenance, troubleshooting, repair, and modification. Removes installs, repairs, and troubleshoots component parts of fuel systems to correct malfunctions of turbine, centrifugal, and rotary pumps, manually operated plug/ball valves, hydraulically operated diaphragm-type valves, pilot control systems, tank gauges and vents, filter separators, fuel flow meters, hydrant outlets, differential pressure gauges, and truck loading and fill connections. Performs modification of systems in accordance with applicable manuals, technical publications, and manufacturer's specifications. Lubricates valves and pumps; replaces gaskets and seals; corrects pumping equipment misalignment; cleans strainers and filters; services filter separators; and checks meters for correct delivery and calibration. Troubleshoots, overhauls, removes, and replaces high/low level controls, liquid level gauges, automatic fueling/defueling valves, pressure regulating valves, water drain valves, excess flow valves, pressure/vacuum vents, and roof seals and sumps. Cleans and purges equipment. Disassembles units and examines component parts for evidence of scratches, wear, cracks, pits, or breaks. Troubleshoots, repairs, and tests equipment installed in vehicle gas stations and truck loading fill stands. Performs liquid calibration of fuel storage tanks and flow meters. Measures, cuts, threads, joins, and fits piping as required to perform system modification or to repair/replace system components.

(3) Troubleshoots and repairs problems in the electrical components of liquid fuel distribution systems. Performs electrical inspection of electro-mechanical components. Uses multi-meter to

check system continuity and identify minor system problems. Replaces burned out fuses. Diagnoses, repairs, and adjusts electrical components such as electrical controls, motors, and other devices using electrical measuring equipment (e.g., voltmeters, ammeters, and ohmmeters).

Examines motors, diagnoses defects, and makes on-site repairs when possible. Disconnects motors requiring major repair and transports to shop. Uses ohmmeter or megger instrument to test static ground throughout system. Adjusts, aligns, and calibrates gauges and meters to ensure maximum operating efficiency. Installs and performs pressure tests for operation of new, repaired, and modified components, valves, and controls. Performs inspection, maintenance, and repairs on all controls, switches, and connecting and ground cables.

(4) Participates in cleaning the interior surface of bulk storage tanks, above and below ground, by entering tanks. Cleans interior surface and tests seams and other areas suspected of leakage. Performs corrosion control by removing corrosion and repainting surfaces. Removes and disposes of sludge. Follows safety precautions in tank entry, ventilation tasks, and in disposing of sludge.

(5) Utilizes safety practices and procedures following established safety rules and regulations and maintains a safe and clean work environment. Uses and assures proper fit of required safety equipment (i.e., foot, eye, breathing, and ear protective gear) and clothing (i.e., cotton). Polices grounds, buildings, and pits to maintain area in accordance with fire prevention and security directives.

(6) Performs other duties as assigned.